



Asphalt Shingle Re-Roofing
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BULLETIN

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How many layers can I cover my roof with?

California Residential Code Section 1510.3 states that new roof coverings shall not be installed without first removing all existing layers of roof coverings where any of the following conditions occur:

1. Where the existing roof or roof covering is water soaked or has deteriorated to the point that the existing roof or roof coverings is not adequate as a base for additional roofing.
2. Where the existing roof covering is wood shake, slate, clay or cement or asbestos cement tile.
3. Where the existing roof has two or more applications of any type of roof covering.

When 50% or more of the roof is being replaced, requirements for Cool Roofing materials are triggered (Energy forms CF1R-Alt-01-E required) for roof slopes greater than 2:12 in climate zones 10-15. The minimum requirement is 0.20 aged solar reflectance, 0.75 thermal emittance, or a minimum SRI of 16 or an exception.

Exceptions:

1. Mass roof 25 lbs./ sq. ft. or greater;
2. Air space 1" from top of roof deck to bottom of roofing;
3. Roofing product has a profile ratio of rise to width of 1 to 5 for 50% or greater of the width of the roofing product;
4. Ducts already meet Section 150.1(c) insulation and duct leakage requirements;
5. Roof has R-38 insulation;
6. Roof has a radiant barrier;
7. No ducts are installed in the attic;
8. R-4 insulation above the roof deck.

Can I use my existing sheathing, and if not, what type of sheathing will I need?

You can use your existing sheathing as long as it is in good condition; any damaged sheathing must be replaced prior to re-roofing. A minimum ½-inch exterior rated plywood is required on all sheathing replacements. Existing 3/8-inch sheathing may be allowed to remain if it is in good condition, and can support the weight of the new roofing material.

Will I need to apply a layer of roof felt prior to applying the new shingles?

When the roof slope is between 2:12 and 4:12 and when placed directly on the roof sheathing, you will need to apply a 19" strip of non-perforated 15 lb. underlayment, parallel to the starting at the eave, and then apply a 36" layer overlapping the first layer, totaling 2 layers. Only 1 layer of non-perforated type 15 lb. felt is required when the roof slope is over 4:12 and placed directly on the sheathing. Overlaps shall be a minimum of 2".

What types of inspections will be completed, and when should I call for them?

If you will be covering over your existing shingles, you will be required to have a roof "Pre-inspection" prior to performing any work. During this inspection we will verify that the roof is sound and verify the number of existing layers of shingles.

If you will be stripping off the existing roof and exposing the sheathing, you will be required to obtain a "Roof Nail" inspection in place of the Roof Pre-inspection. During this inspection we will verify that the existing sheathing is in good condition, and that any area where sheathing has been replaced was done so

properly. We will also be verifying that the nailing that is holding down the sheathing is done properly and per code (6 inches on center on the edges of the panels 12 inches on center in the field of the panels, using a minimum 8d nail). Once the re-roof is completely finished, the last inspection you will need is a "Final". During this inspection we will verify that the roof and flashings were installed properly, that all roof vents caps have been replaced and that all exposed plastic piping has been painted.

During all roofing inspections, a ladder must be supplied for the inspector. The ladder shall extend at least 3 feet above the roof, and shall be tied to the structure. For roofs structures that are greater than 18 feet above grade, a safety harness and tether shall be provided for the Inspector per California Occupational Safety and Health requirements.

Smoke detectors (in each bedroom and hallway serving sleeping rooms) and carbon monoxide detectors (installed in the hallway serving sleeping rooms) will also be inspected or the signed self-verification form will be retrieved at this time

My current shingles are not made of asphalt. Can I still cover over them with asphalt shingles?

You may cover over the following existing roofing materials with asphalt shingles within the limits of the material listing: Built up Roofing, Wood Shingles, Asphalt Shingles and Modified Bitumen. You may not place asphalt shingles over the following types of roofing materials: Wood Shakes, Concrete/ Clay tiles and Metal Roofs.